

GOVERNMENT POLYTECHNIC JAJPUR

A/ P: Ragadi, Block: Korei, Dist.: Jajpur, Odisha- 755019

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DEPARTMENT OF MECHANICAL ENGINEERING LESSON PLAN

Discipline: Mechanical	Semester: 5th	Name of the Teaching faculty: VYJAINTO KUMAR RAY	
Subject: CAD/CAM(Pr3)	No of Days/Week class alloted: 4	Semester from Date:01/07/2024	To Date:08/11/2024
		No of weeks: 15	
Week	Class Day	Topics	
1st	2P	Introduction to CAD& CAM	
	2P	Fundamental of CAD	
2nd	2P	Setting units, sheet size, limits etc.	
	2P	2D Drafting: Auto CAD Software over view.	
3rd	2P	Use of draw tool Bar	
	2P	Use of Modify tool Bar	
4th	2P	Create Rectangle, circle, polygon	
	2P	Various methods to draw circle	
5th	2P	Various methods to draw a rectangle	
	2P	Drawing Circle by two point method	
6th	2P	Drawing Circle by three point method	
	2P	Drawing Circle by TAN TAN Radius method	
7th	2P	Drawing of pentagon hexagon, octagon etc	
	2P	Different methods of dimentioning	
8th	2P	Editing of polygon	
	2P	Commands essential for creating 2D drawing	
9th	2P	Different methods of dimentioning	
	2P	Modification commands like trim, extend ,hatching explode and region etc	
10th	2P	Create various drawing views of the 3-D parts.	
	2P	3D drafting, use of UCS & WCS	
11th	2P	Extrude the face / plane to get 3-D views.	
	2P	3 D Drawings of Gib and cutter joint	
12th	2P	3 D Drawings of Screw Jack	
	2P	3 D Drawings of Connecting Rod	
13th	2P	3 D Drawings of Bearing Block	
	2P	Study of CNC lathe, milling(G-CODE.M-code)	
14th	2P	Format –Dimensioning methods,Programme writing Turning Simulator-Milling simulator IS practice-commands menus	
	2P	Editing the programme in the CNC MACHINES.	
15th	2P	Execute the programme in the CNC machines	
	2P	Review,Sessional,record checking	

Vyjayanto Kumar Ray
30/8/24